AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

1   1.   (Currently Amended)   An apparatus for providing a graphical user
2   interface (GUI) comprising:
3   logic configured to execute GUI generation code and GUI user interaction
4   handling code; and
5   a display device in communication with said logic, wherein when said logic
6   executes the GUI generation code, a ~~first~~ window is displayed on the display device,
7   said ~~first~~ window presenting ~~at least one option that enables a user to open a file~~
8   ~~comprising execution results resulting from execution of a machine control sequence~~
9   ~~configured to move data storage media to and from a media interface~~ a first panel
10   configured to present a sequence of commands and a second panel configured to
11   present one or more available commands for adding commands to a presently
12   displayed sequence ~~, wherein when said file is opened, a second window is displayed~~
13   ~~on said display device, said second window displaying at least a summary of said~~
14   ~~execution results comprised in said file~~.

1   2.   (Currently Amended)   The apparatus of claim 1, wherein said first
2   and second ~~windows are displayed on the display device as active portions within a~~
3   ~~third window such that said first and second windows~~ panels are simultaneously and
4   fully viewable by a user.

1   3.   (Currently Amended)   The apparatus of claim 1, wherein said
2   ~~summary includes information summarizing an entire run of said machine control~~
3   sequence comprises a representation of at least one device~~, said run corresponding to~~
4   ~~one or more iterations of said machine control sequence~~.

1   4.   (Currently Amended)   The apparatus of claim ~~1~~ 3, wherein said
2   ~~machine control sequence has at least one step associated therewith, said at least one~~
3   ~~step having at least one device associated therewith, said~~ at least one device ~~having~~
4   has at least one command associated therewith.

1   5.   (Currently Amended)   The apparatus of claim ~~3~~ <u>4</u>, wherein said
2 ~~second window displays, in addition to said summary, detailed information describing~~
3 ~~each command executed during~~ at least one <u>command further comprises an argument</u>
4 <u>of said iterations</u>.

1   6.   (Currently Amended)   The apparatus of claim ~~5~~ <u>40</u>, wherein said
2 ~~detailed information~~ <u>fourth panel</u> includes a start time and an end time associated with
3 execution of each command executed ~~during said at least one of said iterations~~.

1   7.   (Currently Amended)   The apparatus of claim ~~5~~ <u>40</u>, wherein said
2 ~~detailed information~~ <u>fourth panel</u> includes information defining ~~the~~ <u>an</u> iteration
3 associated with ~~the~~ <u>a</u> displayed command.

1   8.   (Currently Amended)   The apparatus of claim ~~5~~ <u>40</u>, wherein said
2 ~~detailed information~~ <u>fourth panel</u> includes a step associated with the displayed
3 command.

1   9.   (Currently Amended)   The apparatus of claim ~~5~~ <u>40</u>, wherein said
2 ~~detailed information~~ <u>fourth panel</u> includes a device associated with the displayed
3 command.

1   10.   (Currently Amended)   The apparatus of claim ~~5~~ <u>40</u>, wherein said
2 ~~detailed information~~ <u>fourth panel</u> includes information indicating whether or not the
3 displayed command was successfully executed.

1   11.   (Currently Amended)   The apparatus of claim ~~1~~ <u>40</u>, wherein said
2 ~~second window~~ <u>fourth panel</u> displays a unique iteration number identifier for each of
3 ~~said~~ one or more iterations, each of said iteration number identifiers uniquely
4 identifying a particular iteration of said ~~machine control~~ sequence, and wherein when
5 a user selects one of said unique iteration number identifiers, detailed information
6 describing each command executed during the iteration associated with the selected
7 iteration number identifier is displayed on said display device.

1   12.   (Currently Amended)   The apparatus of claim 11, wherein said

2   detailed information ~~includes~~ comprises:

3   a start time and an end time associated with execution of each command that

4   was executed during the iteration associated with the selected iteration number

5   identifier;

6   information identifying the iteration associated with the displayed command;

7   a step associated with the displayed command;

8   a device associated with the displayed command; and ·

9   information indicating whether ~~or not~~ the displayed command was

10   successfully executed.

1   13.   (Original)   The apparatus of claim 1, wherein the GUI generation

2   code and the GUI user interaction handling code are written in an object-oriented,

3   platform-independent language.

1   14.   (Currently Amended)   A method for enabling a user to generate a

2   ~~analyze machine control~~ sequence ~~execution results~~, the method comprising:

3   presenting at least one option that enables a user to open a panel; and

4   displaying a ~~graphical user interface (GUI), the displayed GUI having a~~ first

5   window responsive to selection of the at least one option, the ~~first~~ window presenting

6   at least one ~~option that enables a user to open a~~ panel ~~file comprising machine control~~

7   ~~sequence execution results resulting from execution of a machine control sequence~~

8   configured to ~~move data storage media to and from a media interface~~ present a

9   sequence in a first portion of the panel with a set of one or more available commands

10   for inserting into a presently displayed sequence in a second portion of the panel; ~~and~~

11   ~~upon detecting a selection of said at least one option by the user, displaying a~~

12   ~~second window, said second window displaying at least a summary of said execution~~

13   ~~results comprised in said file.~~

1   15.   (Currently Amended)   The method of claim 14, wherein said first

2   and second ~~windows are displayed as active portions within a third window such that~~

3   ~~said first and second windows~~ portions are capable of being simultaneously and fully

4   viewable by a user.

1   16.   (Currently Amended)   The method of claim 14, wherein said

2   ~~summary includes information summarizing an entire run of said machine control~~

3   sequence comprises a representation of at least one device~~, said run corresponding to~~

4   ~~one or more iterations of said machine control sequence~~.

1   17.   (Currently Amended)   The method of claim ~~14~~ 16, wherein ~~said~~

2   ~~machine control sequence has at least one step associated therewith, said at least one~~

3   ~~step having at least one device associated therewith,~~ said at least one device ~~having~~

4   has at least one command associated therewith.

1   18.   (Currently Amended)   The method of claim ~~14~~ 17, wherein said

2   ~~second window displays, in addition to said summary, detailed information describing~~

3   ~~each command executed during~~ at least one command further comprises an argument

4   ~~of said iterations~~.

1   19.   (Currently Amended)   The method of current claim ~~18~~ 14, further

2   comprising:

3   presenting at least one option that enables a user to open a second panel

4   comprising ~~wherein said detailed information includes~~ a start time and an end time

5   associated with execution of each command ~~that was executed during the iteration~~

6   ~~associated with the selected iteration number identifier~~ of the sequence.

1   20.   (Currently Amended)   The method of claim ~~18~~ 19, wherein said

2   ~~detailed information includes~~ second panel comprises information identifying ~~each~~ an

3   iteration associated with ~~the~~ a displayed command.

1   21.   (Currently Amended)   The method of claim ~~18~~ 19, wherein said

2 ~~detailed information includes:~~ second panel comprises information identifying each

3 step associated with the displayed command~~;~~ and information identifying each device

4 associated with ~~the~~ a displayed command.

1   22.   (Currently Amended)   The method of claim ~~18~~ 19, wherein said

2 ~~detailed information includes~~ second panel comprises information indicating whether

3 ~~or not the~~ a displayed command was successfully executed.

1   23.   (Currently Amended)   A computer program for generating a

2 graphical user interface (GUI), the program being stored on a computer-readable

3 medium, the program comprising:

4   a first code segment, the first code segment generating a graphical user

5 interface (GUI) ~~and causing the GUI to be displayed on a display device, the displayed~~

6 ~~GUI having a first window, the first window~~ presenting at least one ~~option that~~

7 ~~enables a user to open a file~~ panel comprising ~~machine control~~ a sequence ~~execution~~

8 ~~results resulting from execution of a machine control sequence configured to move~~

9 ~~data storage media to and from a media interface~~ together with a list of one or more

10 available commands suitable for adding to the sequence; ~~and~~

11   a second code segment configured to enable a user to select a command from

12 the list of commands; and

13   a ~~second~~ third code segment, the ~~second~~ third code segment configured to

14 determine ~~whether~~ when a selection of ~~said at least one option~~ a position within the

15 sequence has been made by ~~the~~ a user, wherein upon determining that the user has

16 selected said at least one ~~option~~ position within the sequence, the third code segment

17 inserts a select command from the list of commands in said sequence ~~displaying on~~

18 ~~said display device a second window, said second window displaying at least a~~

19 ~~summary of said execution results comprised in said file on said display device~~.

1   24.   (Currently Amended)   The computer program of claim 23, wherein

2 said ~~summary includes information summarizing an entire run of said machine control~~

3 sequence~~, said run corresponding to one or more iterations of said machine control~~

4 ~~sequence~~ comprises a representation of at least one device.

1   25.   (Currently Amended)   The computer program of claim ~~23~~ 24,
2 wherein said ~~machine control sequence has at least one step associated therewith, said~~
3 ~~at least one step having at least one device associated therewith, said~~ at least one
4 device ~~having~~ has at least one command associated therewith.

1   26.   (Currently Amended)   The computer program of claim ~~24~~ 25,
2 wherein said ~~second window displays, in addition to said summary, detailed~~
3 ~~information describing each command executed during~~ at least one command further
4 comprises an argument ~~of said iterations~~.

1   27.   (Currently Amended)   The computer program of claim ~~26~~ 23,
2 further comprising:
3   a fourth code segment configured to present a panel comprising ~~wherein said~~
4 ~~detailed information includes~~ a start time and an end time associated with execution of
5 each command ~~that was executed during the iteration associated with the selected~~
6 ~~iteration number identifier~~ of the sequence.

1   28.   (Currently Amended)   The computer program of claim ~~26~~ 27,
2 wherein said ~~detailed information includes~~ panel comprises information identifying
3 ~~each~~ an iteration associated with ~~the~~ a displayed command.

1   29.   (Currently Amended)   The computer program of claim ~~26~~ 27,
2 wherein said ~~detailed information includes~~ panel comprises information identifying a
3 step associated with ~~the~~ a displayed command[[;]] and information identifying a
4 device associated with the displayed command.

1   30.   (Currently Amended)   The computer program of claim ~~26~~ 27,
2 wherein said ~~detailed information includes~~ panel comprises information indicating
3 whether ~~or not the~~ a displayed command was successfully executed.

1   31.   (Currently Amended)   An apparatus, comprising:

2   a processor configured to execute logic configured to generate a graphical user

3   interface (GUI), logic configured to interact with at least one human to machine

4   interface, and logic configured to generate commands applied to control systems

5   within one or more remote devices; and

6   a display device in communication with said processor, wherein when said

7   processor executes the logic configured to generate the GUI, a first window is

8   displayed on the display device, said first window presenting at least one option that

9   enables a user to open a ~~file~~ panel comprising <u>both</u> a ~~machine-control~~ sequence <u>in a</u>

10   <u>first portion of the panel and a list of one or more commands in a second portion of</u>

11   <u>the panel</u> ~~configured to move data storage media to and from a media interface~~.

1   32.   (Currently Amended)   The apparatus of claim 31, wherein said first

2   window presents an option, the selection of which executes the ~~machine-control~~

3   sequence.

1   33.   (Currently Amended)   The apparatus of claim 32, wherein when

2   said ~~file is opened~~ <u>option is selected,</u> ~~a second window is displayed on said display~~

3   ~~device, said second window~~ <u>the panel</u> displays data resulting from ~~the~~ execution of the

4   ~~machine-control~~ sequence.

1   34.   (Currently Amended)   The apparatus of claim ~~32~~ <u>33</u>, wherein ~~the~~

2   data resulting from ~~the~~ execution of the ~~machine-control~~ sequence comprises a

3   summary of information from the one or more remote devices.

1   35.   (Previously Presented)   The apparatus of claim 34, wherein the one

2   or more remote devices comprise devices configured to house and manipulate data

3   storage media.

1   36. - 38.   (Canceled)

1   39.   (New)   The apparatus of claim 1, wherein the window further

2 comprises a third panel configured to communicate with a device identified by the

3 sequence.

1   40.   (New)   The apparatus of claim 39, wherein the window further

2 comprises a fourth panel configured to execute the sequence.